

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054657 A1

(51) International Patent Classification⁷: **F02M 27/02**, F02D 19/08, F02B 43/10

(21) International Application Number:
PCT/EP2004/053196

(22) International Filing Date: 1 December 2004 (01.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03257553.2 1 December 2003 (01.12.2003) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

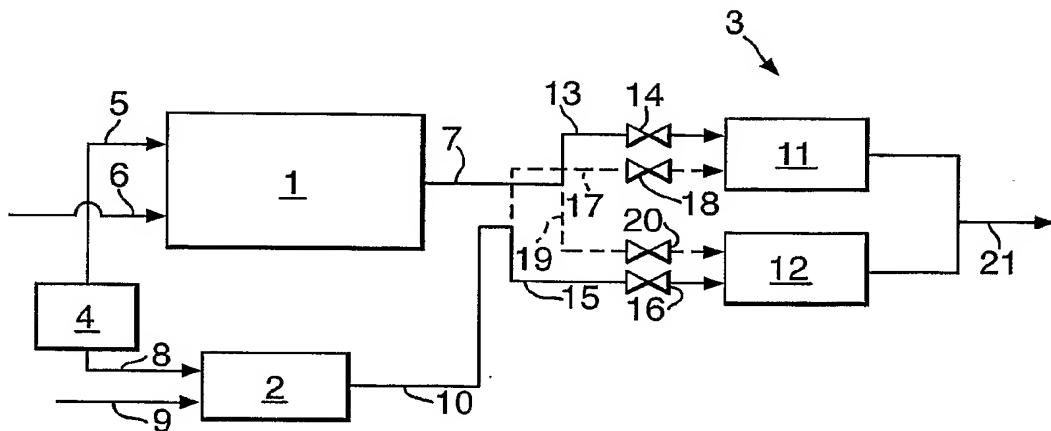
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR OPERATING A COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE IN COMBINATION WITH A CATALYTIC REFORMER



(57) Abstract: A process for operating a compression ignition internal combustion engine (1) in combination with a catalytic partial oxidation reformer (2) and, optionally, an exhaust gas aftertreater (3), wherein: (a) a mixture of a first fuel and air, wherein the first fuel comprises Fischer-Tropsch derived fuel, is introduced in the combustion chamber of the engine (1); (b) exhaust gas is discharged from the engine and optionally partly recirculated to the combustion chamber of the engine (1); (c) a second fuel and oxygen and/or steam are supplied to the catalytic partial oxidation reformer (2) to produce synthesis gas, wherein the second fuel comprises Fischer-Tropsch derived fuel; (d) at least part of the synthesis gas is supplied to: (i) the exhaust gas aftertreater (3); (ii) the combustion chamber of the engine (1); or to both.

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